

ous above, profoundly ribbed; ribs about half an inch long, on an ochraceous submargin; columella with white folds and narrow, dark brown interstices; beak bent, umbilicated. 3 8-10 : 2½.

OLIVA.

O. propatula. Ovate-oblong, slightly gibbous towards the base; colour pale ochraceous, marked with a few longitudinal zigzag brown lines, and with darker transverse hair-like lines and a few spots; columella patulous, deeply sulcated inferiorly; deposit at the base carinated in the middle. 2½ : 1 1-10.—*Proceedings of the Academy of Natural Sciences of Philadelphia*, vol. iv. p. 155.

METEOROLOGICAL OBSERVATIONS FOR JULY 1849.

Chiswick.—July 1. Very fine. 2. Light clouds: very fine. 3. Cloudy: slight showers. 4. Cloudy: clear at night. 5. Clear: very fine. 6, 7. Very fine. 8. Very hot: clear at night. 9. Very fine: cloudless. 10. Dusky haze: clear. 11, 12. Very fine. 13. Cloudy. 14. Very fine. 15. Overcast. 16. Very fine. 17. Cloudy: showery. 18. Very fine: cloudy: heavy shower 5 P.M.: showery. 19. Showery. 20. Fine: dense masses of low white clouds: showery. 21. Cloudy: showery. 22. Very fine: overcast. 23. Rain: cloudy. 24. Cloudy: heavy showers in forenoon: excessively heavy rain at night. 25. Fine: cloudy: showers occasionally: heavy showers, with thunder in afternoon. 26. Fine: thunder showers. 27. Overcast: very fine. 28. Very fine: cloudy. 29. Densely overcast. 30. Fine. 31. Very fine: cloudy.

Mean temperature of the month	62°·29
Mean temperature of July 1848	62 ·09
Mean temperature of July for the last twenty-three years ...	63 ·23
Average amount of rain in July	2·38 inches.

Boston.—July 1-6. Fine. 7. Fine: thermometer 81° from 2 P.M. to 6 P.M. 8-12. Fine. 13-16. Cloudy. 17. Cloudy: rain A.M. 18. Cloudy: rain P.M. 19. Rain: rain A.M. and P.M. 20. Fine: rain A.M. 21. Fine: rain P.M. 22. Fine. 23. Rain: rain A.M. and P.M., with thunder and lightning. 24, 25. Cloudy: rain A.M. 26-28. Fine. 29. Rain: rain A.M. and P.M. 30. Fine. 31. Cloudy.

Applegarth Manse, Dumfries-shire.—July 1. Fine rain: high wind P.M. 2. Rain during night: cleared and fine. 3. Heavy rain and strong wind. 4. Fine: slight shower. 5. Fine: occasional showers. 6. Complete day of rain. 7. Very heavy rain: high flood. 8. Fine and fair: pleasant air. 9, 10. Fine and fair. 11. Very fine summer day. 12. Very warm. 13. Warm, but cooler from east wind. 14, 15. Warm. 16. Warm, but getting cloudy. 17. Heavy rain at night: clear day. 18. Rain. 19. Showers: occasionally fair and warm. 20. Showers: heavy P.M. 21. Fine and fair. 22. Drizzly: showery. 23. Fine A.M.: showery P.M. 24. Showery. 25. Heavy showers: thunder. 26. Warm: slight shower: thunder. 27. Fair: cloudy: cleared P.M. 28. Fair A.M.: rain P.M. 29. Heavy showers. 30. Heavy showers: thunder. 31. Heavy showers, less frequent: thunder.

Mean temperature of the month	57°·0
Mean temperature of July 1848	56 ·5
Mean temperature of July for twenty-five years	58 ·1
Rain in July for twenty years	3·91 inches.

Sandwick Manse, Orkney.—July 1. Rain: drizzle. 2. Showers. 3. Rain. 4. Bright: fine. 5. Clear: fine. 6. Cloudy: fine: cloudy. 7. Rain: cloudy: showers: bright. 8, 9. Clear: cloudy. 10. Damp: cloudy. 11. Cloudy: fine. 12-14. Fine: fog. 15. Cloudy: clear. 16. Bright: rain. 17, 18. Bright: cloudy. 19. Clear: damp. 20. Drizzle: cloudy. 21. Drizzle: damp. 22. Fine: drops. 23, 24. Cloudy: drizzle. 25. Rain: clear. 26. Bright: damp. 27. Bright: showers. 28. Bright: rain. 29. Clear: showers: fine. 30. Clear: fine. 31. Showers.